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Weekly Surveyor

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2(1) TSWS-4/74 28 January 1974 TOP SECRET

WEEKLY SURVEYOR

OSI- TSWS-4/74

28 January 1974

Directorate of Science and Technology

This publication is intended to furnish the intelligence community with a timely survey of significant current scientific intelligence. The items herein are based on selected incoming reports of all kinds received during the previous week. The comments represent the views of the Office of Scientific Intelligence and the Office of Weapons Intelligence and are coordinated to the extent possible in the time available within CIA but, being based on the material at hand, are subject to change on receipt of further information or analysis. We caution against action taken solely on the basis of the preliminary evaluations herein. Substantive questions concerning items in this publication may be addressed directly to the Surveyor Staff, OSI, CIA Headquarters, Langley.

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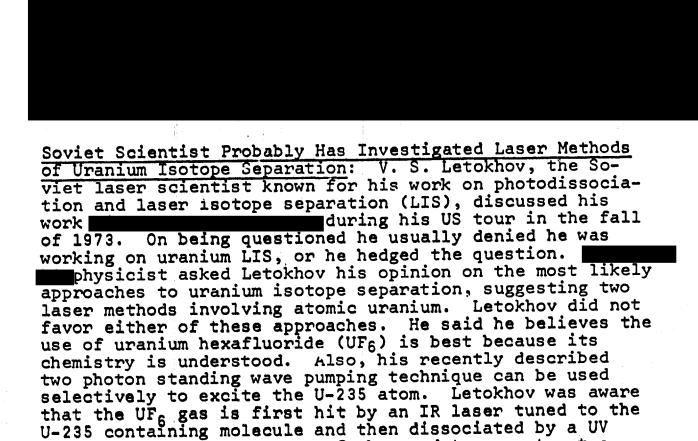
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low temperature.



Comment: Letokhov's comments indicate that he has at least investigated theoretical uranium LIS and possibly has even conducted some experiments. This reinforces our belief that the USSR is attempting to develop uranium enrichment processes by laser techniques. In spite of previous denials, Letokhov revealed considerable interest in and knowledge of uranium LIS and is aware of the existance

source. He was also aware of the need to operate at a

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of technical problems such as those encountered by US scientists. His comments indicate that he is more likely to pursue the molecular dissociation approach than the atomic photoionization method.